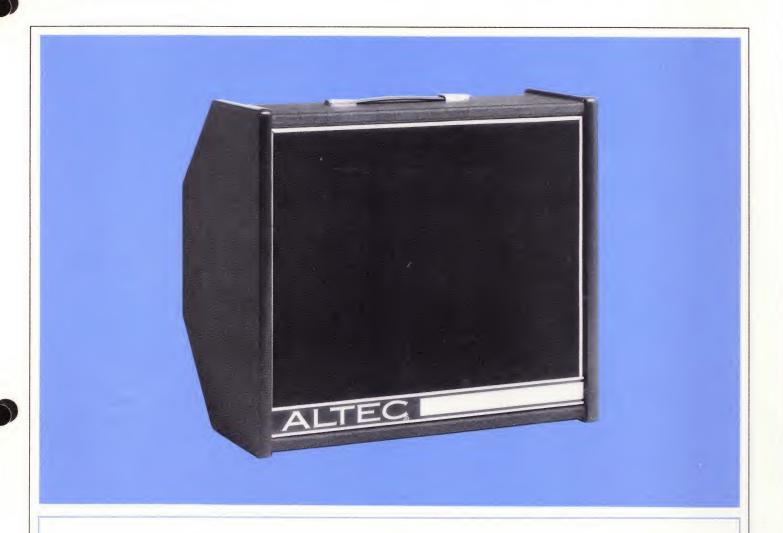


1230C MULTI-PURPOSE LOUDSPEAKER SYSTEM



DESCRIPTION

The Altec 1230C Multi-Purpose System is a ruggedly portable, roadworthy unit designed for use as a stage monitor in musical sound reinforcement applications, and as a main speaker in P.A. reinforcement applications.

Because of its compact size, unique 8-sided configuration and performance features, the 1230C solves professional-sized problems. Mounted inside the enclosure is Altec's 12-inch 617-8A duplex loudspeaker, well-recognized for uniform frequency response and high efficiency, with low and high frequency elements mounted coaxially to produce an extremely compact yet dynamic system. The high-frequency horn/compression driver assembly provides exceptionally broad distribution of the high end, while the bass driver element is known for impressively

high efficiency and durability.

The 1230C's eight sturdy, reinforced sides allow for easy and creative positioning to optimize sound dispersion patterns. The unit serves ideally as a compact, on-the-road traveller, and as a highly-efficient, reliable speaker in public address systems.

This flexible Altec speaker system is finished in mar-resistant textured black, with matching black textured-knit grille and vinyl edge protectors.

Designed for maximum strength and acoustical properties, the enclosure is constructed of 3/4" particle board, contains acoustical damping materials, and is solidly braced to complement the theoretical design of the entire system.

SPECIFICATIONS

Type:

Multi-purpose,

coaxially-mounted

loudspeaker

system

Components:

617-8A Duplex

Loudspeaker with

Dividing Network

Power Rating:

Long-Term Broad-Band

Maximum Power: Up to 60 watts of band-limited pink

noise (50 to 15,000 Hz)

Frequency Response:

80 Hz to 15,000 Hz

Impedance:

8 ohms

Pressure Sensitivity:

98 dB SPL measured at 4' on axis with 1 watt

input of pink noise band-limited from 250 Hz to 5,000 Hz 116 dB SPL measured at 4' on axis with 60 watts input of pink noise

band-limited from 250 Hz to 5,000 Hz

Equivalent EIA Rating: 51 dB SPL measured at 30' on axis with 1 mW

3"

input

Distribution Pattern:

90° (conical)

Crossover Network:

Dual full-section 1500 Hz crossover.

12 dB/octave slope

Input Connections:

Two standard 1/4" phone jacks, parallel

wired

Enclosure:

Heavily braced, rigid enclosure of 3/4"

particle board

Finish:

Mar-resistant textured

black with edge

protectors and carrying

handle

Dimensions:

19.5" (49.5 cm) H x 22" (55.9 cm) W x 14"

(35.5 cm) D

Shipping Weight:

60.5 lb (27.5 kg)

Actual Weight:

52 lb (23.6 kg)

Accessories (included): 50', 2-conductor cable

with standard 1/4" phone plug on each end

617-8A Duplex Coaxial Loudspeaker System

Voice Coil Diameter Voice Coil Material:

11/2"

Copper wire

Copper-clad aluminum wire

Magnetic Assembly Weight:

4.8 lb

8.5 oz

Magnet Material:

Ceramic

Ceramic

Flux Density:

12,000 gauss

11,400 gauss

Dimensions:

121/4" (31.1 cm) Diameter, 73/4" (19.7 cm) Depth

Weight:

25.5 lb (11.6 kg)

ARCHITECT AND ENGINEER SPECIFICATIONS

The loudspeaker system shall include a 617-8A Duplex Coaxial Loudspeaker with dividing network/dual full-section 1500 Hz crossover, 12 dB/octave slope.

The system shall meet the following structural and performance criteria. The enclosure shall be constructed of heavily braced 3/4" plywood, with edge protectors, shall be acoustically damped with sound-absorbent material, and shall allow for position at 90° and 45° angles, referenced to a floor-plane mounting surface.

Finish shall be of mar-resistant textured black. Power capacity, up to 60 watts of continuous pink noise band-limited from 50 Hz to 15,000 Hz. Frequency response, 80 Hz to 15,000 Hz. Pressure sensitivity, 98 dB SPL at 4' when measured on axis with 1 watt input of pink noise band-limited from 250 Hz to 5,000 Hz. Impedance, 8 ohms. Distribution pattern, 90° conical. Maximum dimensions, 19.5" H x 22" W x 14" D. Weight, 70 pounds.

The loudspeaker system shall be the ALTEC Model 1230C.



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